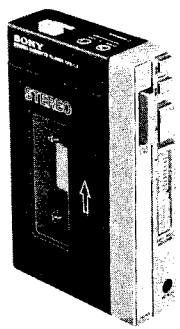
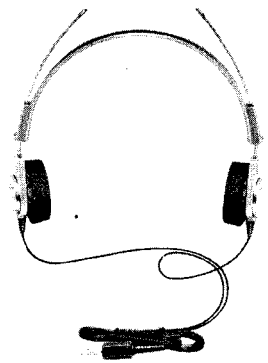
SONY®

## STEREO CASSETTE PLAYER

# TPS-L2



## OPERATING INSTRUCTIONS page 2

- Before operating the set, please read this manual thoroughly.
- This manual should be retained for future reference.

## MODE D'EMPLOI page 18

- Avant toute opération, liser attentivement ce mode d'emploi.
- Conserver ce manuel pour toute référence ultérieure.

## BEDIENUNGSANLEITUNG Seite 34

- Vor Inbetriebnahme lesen Sie bitte diese Bedienungsanleitung sorgfältig durch.
- Bewahren Sie diese Anleitung zum späteren Nachschlagen gut auf.

# English

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## FEATURES

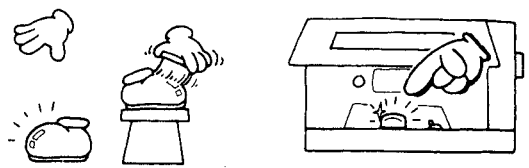
- High-quality stereo cassette player with complete portability.
- Two headphones jacks enable two people to listen to the tape sound together.
- "Hot line" function enables you to talk with another person through the headphones.
- Automatic Shut-off Mechanism activates at end-of-tape in the playback mode.
- Cue and review functions to quickly locate any desired portion of the tape.
- Counter-inertial flywheel system for stable tape speed.
- Four different power sources: batteries, house current, rechargeable battery, and 12 V car battery.

## PRECAUTIONS

- Do not open the casing. Refer servicing to qualified personnel only.
- Operate the set only on 3 V dc.

For ac operation, use the ac power adaptor recommended for this set. Do not use any other ac power adaptor.
For car battery operation, use the car battery cord recommended for this set. Do not use any other car battery cord.

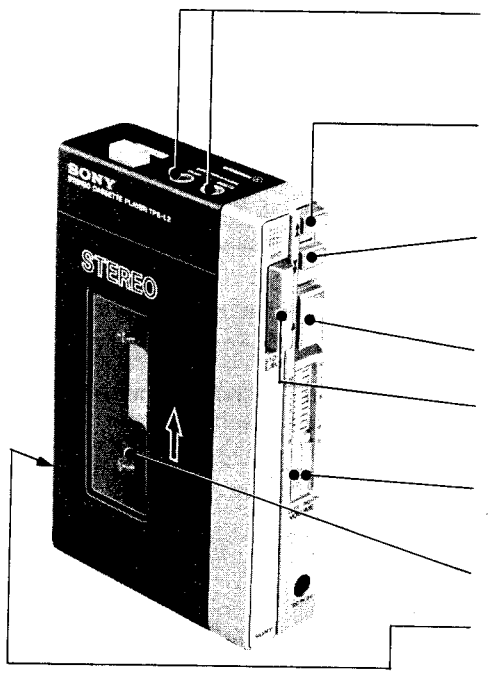
- The nameplate indicating operating voltage, etc. is located on the bottom exterior.
- Disconnect the ac power adaptor from the wall outlet when the set is not to be used for an extended period of time.
- When the set is not to be used for a long period of time or is to be operated extensively on other power sources, remove the batteries to avoid set damage from battery leakage.
- Do not install the set in a location near heat sources such as radiators or airducts, or in a place subject to direct sunlight, excessive dust, moisture, rain, or mechanical shock.
- Should any liquid or solid object fall into the set, remove the batteries and disconnect the ac power adaptor, and have the set checked by qualified personnel before operating it any further.
- Keeping the tape head in a clean condition is essential to the proper operation of the cassette player. For cleaning information, refer to page 13.



- When using the set in a very cold place, keep the set warm in the supplied carrying case or in a pocket.

If you have any question or problem concerning your set that is not covered in this manual, please consult your nearest Sony dealer.

## LOCATION AND FUNCTION OF CONTROLS




**HEADPHONES Jacks (stereo minijacks):** Connect the stereo headphones supplied or the Sony Stereo Headphones MDR-3L2 (optional). For connecting stereo headphones with a stereo binaural plug, use the Plug Adaptor PC-33 (optional).

**Fast Forward/Cue Button** [▲▲]: Depress to rapidly advance the tape. To put the cassette player in cue mode, leave the ▲ button locked in the depressed position and press this button down.

**Rewind/Review Button** [▼▼]: Depress to rewind the tape. To put the cassette player in review mode, leave the ▲ button locked in the depressed position and press this button down.

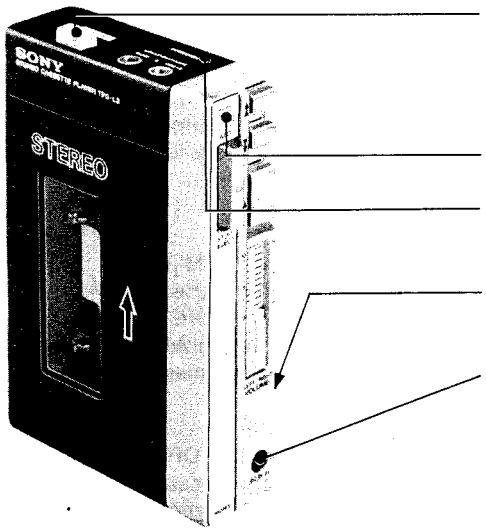
**Playback Button** [▲]: Depress for playback.

**Stop/Eject Button** [STOP/EJECT]: Press to stop the tape and to release the locked button. Press again to eject the cassette.

**VOLUME Controls:** Slide upwards for more volume of the right and left channels. Adjust the volume of the right and left channels with these controls for optimum stereo effect.

**Cassette Compartment**

**TONE Selector (on the left side):** Set to HIGH for more treble or to LOW for less treble.



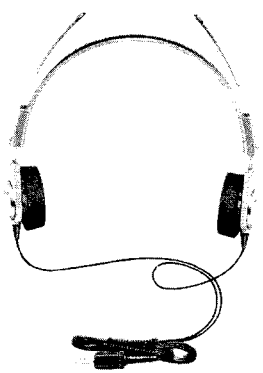

**HOT LINE Button:** Keep depressed to talk with others or with the person who is listening to a tape with you through another set of headphones. The tape volume will be decreased by the "hot line" function, while the Built-in Microphone will pick up your and the other person's voices, which will be heard through your and the other person's headphones.

**Built-in Microphone** [**MIC**]: Picks up sound when the HOT LINE button is depressed.

**Battery/Operation Indicator** [**OPERATION**]: Lights when the set is in operation. The indicator also shows the battery condition.

**Battery Compartment (in the back):** Insert two IEC designation R6 (size AA) batteries or the optional battery pack recommended for this set.

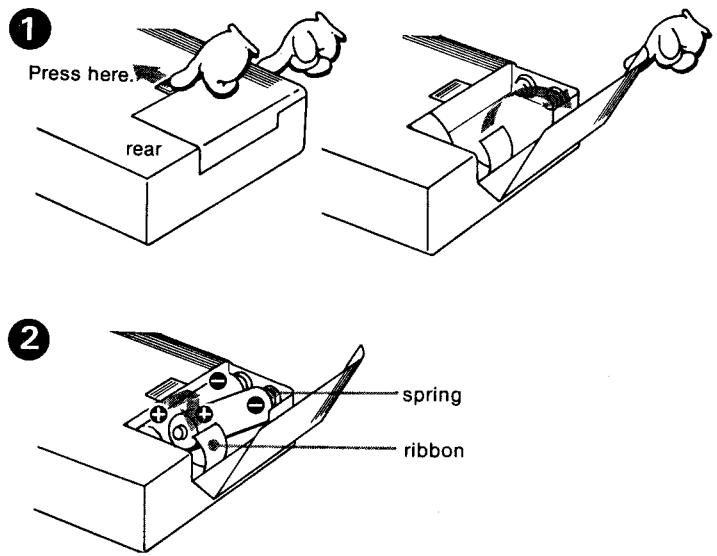
**External Power Input Jack** [**DC IN 3V**]: For operation on house current, connect the optional AC power adaptor recommended for this set. For operation from a car battery, connect the optional car battery cord recommended for this set.



**Stereo Headphones (supplied):** Connect to either of the HEADPHONES jacks.

## POWER SOURCES

### BATTERIES
**Battery installation**




❶ While depressing the notch on the cassette player casing in the direction illustrated, open the Battery Compartment lid.
❷ Insert two batteries IEC designation R6 (size AA) with correct polarity as illustrated.
- The flat sides of the batteries press against the springs.
- Lay the ribbon underneath the batteries. The ribbon aids in removing the batteries.

❸ Close the lid.

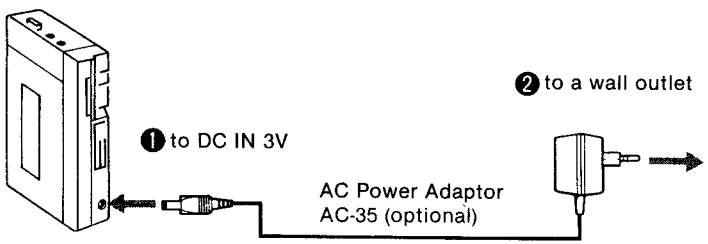
- The set cannot be operated on the internal batteries when either the ac power adaptor or car battery cord is connected to the set.
- When the set is not to be used for a long period of time or is to be operated extensively on other power sources, remove the batteries to avoid set damage caused by battery leakage and corrosion.

**Battery life (continuous playback hours)**
Approx. 2.5 hours with Sony Super Batteries SUM-3S.
Approx. 8 hours with Sony Eveready Alkaline Batteries AM3.
Intermittent use will prolong the useful battery life.
Battery life is shorter if the set is used in very cold conditions; in that case, the use of alkaline batteries is recommended.

**To check battery condition**
Check the battery condition by observing the OPERATION indicator. If the batteries become weak while the cassette player is in operation, the indicator light will glow faintly. When the batteries are exhausted completely, the indicator will not light.
- Playback with weak batteries will cause weak and distorted sound, and it will be necessary to replace all the batteries with fresh new ones.

## HOUSE CURRENT

Use the appropriate ac power adaptor listed below, available in the countries where the set is used. First, connect the adaptor to the cassette player DC IN 3 V jack, and then to a wall outlet.

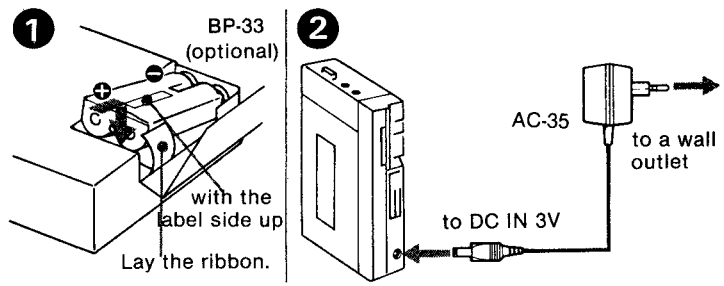



| where used | AC Power Adaptor | input voltage of adaptor |
|---|---|---|
| the United Kingdom | AC-35 available in the United Kingdom | 240 V ac, 50 Hz |
| European countries | AC-35 available in European countries | 220 V ac, 50 Hz |

- Before connecting, be sure to read the instruction manual for the adaptor.
- When the ac power adaptor is connected to the cassette player DC IN 3 V jack, the internal batteries (if present) are automatically disconnected.

## RECHARGEABLE BATTERY PACK

Install the Sony Rechargeable Battery Pack BP-33 (optional) into the Battery Compartment instead of the batteries.
Before using, charge the battery pack as follows:




❶ Insert the BP-33 with the label side up and with correct polarity as illustrated.
❷ Connect the optional AC Power Adaptor as illustrated. Charging will begin.
- Charging time is about 4.5 hours.

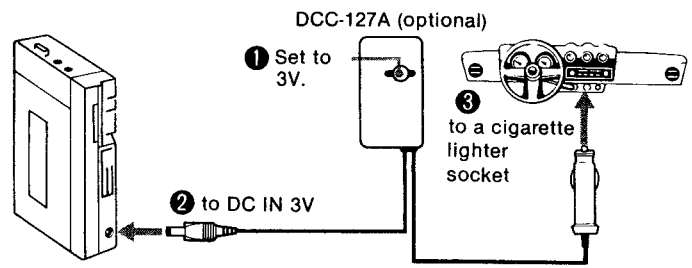
❸ When charging is completed, remove the ac power adaptor to avoid overcharging.
- The cassette player can be operated while charging, although more charging time will be needed.
- The fully charged BP-33 allows approx. 3 hours of continuous playback.

● While the voltage of the rechargeable battery pack can be checked in the same way as for regular batteries, this is not a reliable index of the remaining operating life, since a nickel-cadmium battery such as the BP-33 will furnish a nearly constant voltage up to the end of its capacity, and then drop quickly to a low value. Keeping a record of the time in actual use is the most reliable measure of remaining battery life when using nickel-cadmium batteries.

**12 V CAR BATTERY**

Use the Sony Car Battery Cord DCC-127A (optional), and connect the cassette player DC IN 3 V jack to the cigarette lighter socket of a car.

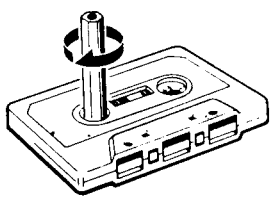
For further details, refer to the instruction manual of the DCC-127A.



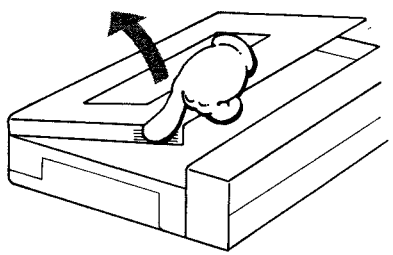

● When the car battery cord is connected to the DC IN 3 V jack, the internal batteries (if present) are automatically disconnected.

## CASSETTE INSERTION

Before inserting a cassette, take up any slack in the tape by inserting a thick pencil into the hub of the cassette and turning it a few times.



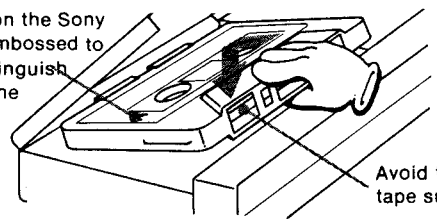
❶ Open the Cassette Compartment lid.



❷ Place a cassette in the compartment as illustrated and push down until you hear a click.

Insert the cassette with the desired side, A or B, up and tape surface towards you.

The letter A on the Sony cassette is embossed to help you distinguish that side of the cassette in a dimly lighted area.



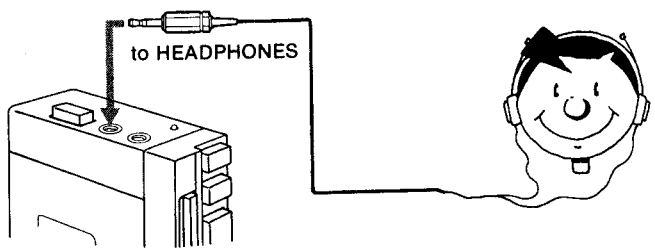
Avoid touching the tape surface.

❸ Close the lid.

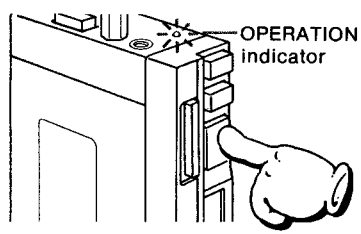
- To take out the cassette, open the lid and press the STOP EJECT button.
- During playback, the tape moves in the direction of the arrow on the lid. If the part of the tape you want to hear is wound onto the take-up reel, rewind the tape with the ▼▼ button. To stop the tape, press the STOP EJECT button.

## PLAYBACK

❶ Insert a cassette. See "CASSETTE INSERTION" on page 9.
❷ Connect the stereo headphones supplied to either of the HEADPHONES jacks.
For listening to the tape sound with another person, refer to "Stereo headphones" on page 11.

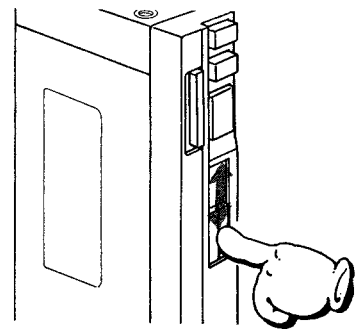



❸ Depress and lock the ▲ button. Playback will begin.

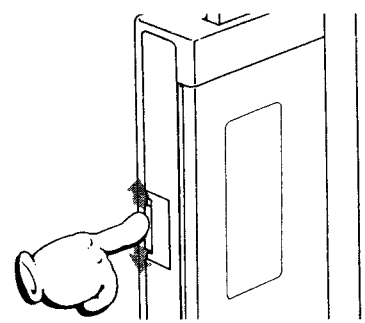



● During playback, the OPERATION indicator lights.

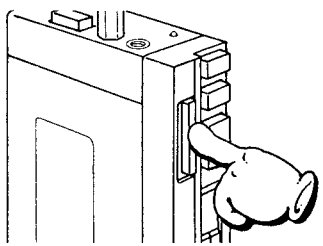
❹ Adjust the volume and the balance of the right and left channels with the VOLUME controls.



❺ Adjust the tone quality with the TONE selector.



❻ To stop the tape, press the STOP/EJECT button.

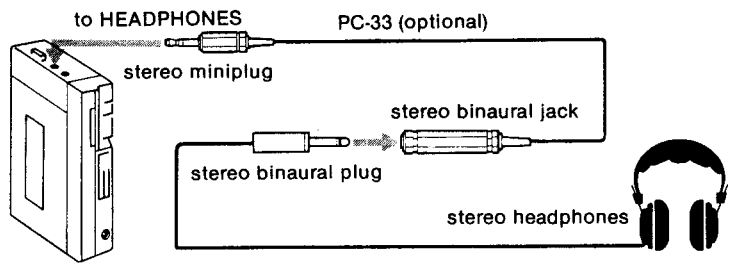


● At end-of-tape, the tape motion stops and the locked button is released automatically.

## LISTENING WITH ANOTHER PERSON

### Stereo headphones

When listening to the tape sound with another person, the use of the Sony Stereo Headphones MDR-3L2 (optional) is recommended. When headphones with a stereo binaural plug are to be connected, use the Sony Plug Adaptor PC-33 (optional).

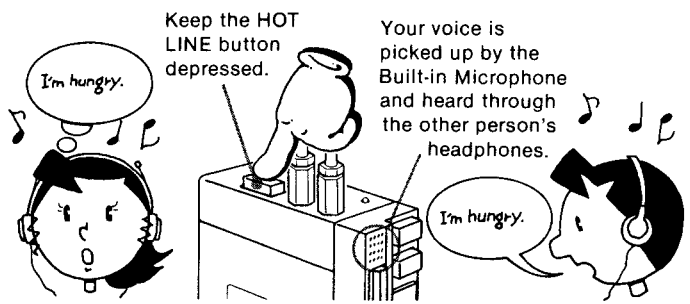



### Notes

● Use headphones with impedance of more than 8 ohms and less than 300 ohms.
● When two sets of headphones are to be used with this cassette player, we recommend that both have the same impedance. If headphones with different impedance are used, one of them may not produce sufficient volume.
● Headphones with impedance of more than 300 ohms will not produce sufficient volume.

**HOT LINE button**

When you wish to talk with the person who is listening to the tape sound with you through the other set of headphones, keep the HOT LINE button depressed. The "hot line" function activates, to decrease the tape's volume, and both your and the other person's voices will be picked up by the Built-in Microphone and heard through both your and the other person's headphones.

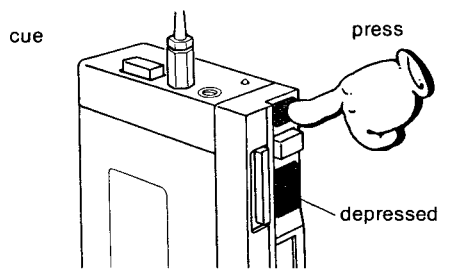

Keep the HOT LINE button depressed.
Your voice is picked up by the Built-in Microphone and heard through the other person's headphones.
I'm hungry.
I'm hungry.

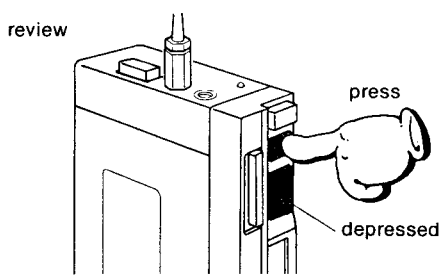
**AUTOMATIC SHUT-OFF MECHANISM**

In playback mode, tape motion stops at end-of-tape and the locked ▲ button will return to its original position automatically.
In fast forward or rewind mode, tape motion stops at end-of-tape and the motor will stop (but the OPERATION indicator does not go off). In this case, the locked button will not be released automatically. Be sure to press the STOP/EJECT button to release the ▲ or ▼ button.

**CUE AND REVIEW FUNCTIONS**

During playback, you may skip over portions of the tape you do not wish to hear by pressing the ▲ button (cue function), or you can repeat a particular portion of the tape by pressing the ▼ button (review function).
When the ▲ or ▼ button is released, the cassette player will automatically return to the playback mode.



# MAINTENANCE

**Cleaning the head**

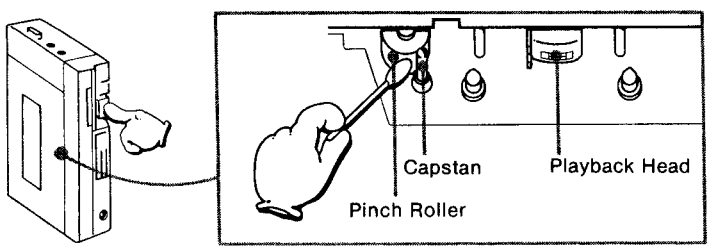
Keeping the tape head in a clean condition is essential to the proper operation of the cassette player. Accumulations of dust and tape oxides on the head will result in sound drop-outs, a loss of high frequencies and excessive tape wear.

To clean the head:

❶ Open the Cassette Compartment lid. Remove the cassette, if present.

❷ Depress the ▲ button to move the Playback Head out for easier access.

❸ Moisten a cotton swab or a soft cloth with denatured alcohol, and gently wipe the Playback Head, Capstan and Pinch Roller over which the tape travels.




● Avoid catching the cotton between the Pinch Roller and Capstan.

❹ Press the STOP EJECT button to release the ▲ button.

● Do not insert a cassette if the head is protruding; first press the STOP EJECT button.

● Do not insert a cassette before the alcohol has dried completely.

**Cleaning the casing**

Clean the casing with a soft cloth slightly moistened with water or a mild detergent solution. Do not use solvents such as alcohol, benzine, or thinner as they may mar the finish of the casing.

## SPECIFICATIONS

| | |
|---|---|
| Tape track | 4-track 2-channel stereo |
| Fast winding time | Approx. 2 min. 30 sec. with Sony Cassette C-60 |
| Frequency response | 40–12,000 Hz |
| Power output | 15 mW × 2 (at 10% harmonic distortion) with headphones having impedance of 35 ohms at dc operation |
| Outputs | Two headphones jacks (stereo minijack)<br>rated output 0.04 V (–26 dB) at load impedance 8 ohms<br>load impedance 8 ohms or higher, and 300 ohms or lower |
| Power requirements | 3 V dc, two batteries IEC designation R6 (size AA), or optional Sony Rechargeable Battery Pack BP-33<br>240 V ac, 50 Hz with optional AC Power Adaptor AC-35 available in the United Kingdom<br>220 V ac, 50 Hz with optional AC Power Adaptor AC-35 available in European countries<br>12 V car battery with optional Sony Car Battery Cord DCC-127A |
| Power consumption | 7 W ac with Sony AC Power Adaptor AC-35 |
| Battery life | Continuous playback hours:<br>Approx. 2.5 hours with Sony Super Batteries SUM-3S<br>Approx. 8 hours with Sony Eveready Alkaline Batteries AM3 |
| Dimensions | Approx. 88 × 133.5 × 29 mm (w/h/d)<br>($3\frac{1}{2} \times 5\frac{5}{16} \times 1\frac{3}{16}$ inches)<br>not incl. projecting parts and controls |
| Weight | Approx. 390 g ($13\frac{7}{8}$ oz)<br>incl. batteries |
| Accessories supplied | Demonstration tape cassette (1)<br>Stereo Headphones MDR-3L2 (1)<br>Carrying Case (with Shoulder strap, and Cassette and battery holder) (1) |

While the information given is true at the time of printing, small production changes in the course of our company's policy of improvement through research, and design might not necessarily be indicated in the specifications. We would ask you to check with your appointed Sony dealer if clarification on any point is required.

## OPTIONAL ACCESSORIES

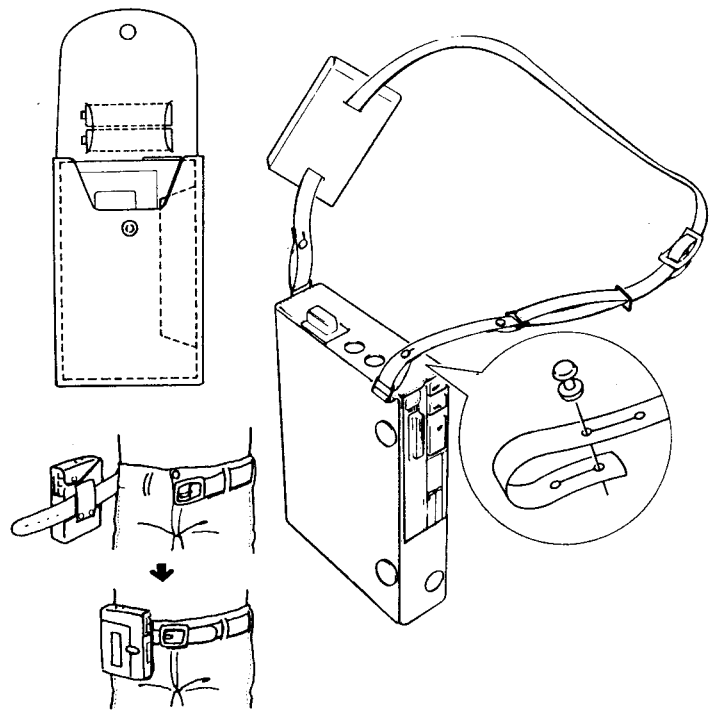
Stereo Headphones MDR-3L2
AC Power Adaptor AC-35
Battery Pack BP-33
Car Battery Cord DCC-127A
Plug Adaptor PC-33 (stereo miniplug to stereo binaural jack)

Continued trouble-free operation of any cassette player is dependent on the quality of the cassettes used in conjunction with it. The use of Sony Cassettes is recommended for high quality playback and trouble-free operation.

Your dealer may not handle some of the above listed optional accessories. Please ask the dealer for detailed information about the optional accessories available in your country.

## USING THE CARRYING CASE

Use the supplied carrying case as illustrated. The cassette and battery holder can hold two batteries and two cassettes.



## TROUBLESHOOTING GUIDE

Should any problem occur with the set, make the following simple tests to determine whether or not servicing is required.
If the problem persists after you have made these tests, consult the nearest Sony dealer for further information.

**Cassette cannot be inserted.**
- Cassette is being inserted improperly. See page 9.
- The ▲ button is depressed.

**The ▲ button cannot be locked.**
- The tape is completely wound towards the arrow direction on the Cassette Compartment Lid.

**Tape does not move.**
- The ac power adaptor is not connected (on ac operation).
- Battery operation is attempted while the ac power adaptor or car battery cord is connected to the cassette player but not to the wall outlet or the cigarette lighter socket.
- Incorrect polarity of batteries.
- Weak batteries.

**No sound from the headphones.**
- The headphones are not plugged in firmly.
- The VOLUME controls are down completely.

**Weak or distorted sound.**
- Weak batteries.

**Sound drop-outs, loss of high frequencies, or excessive noise.**
- Dirty head. See page 13.

**Tape speed is too slow.**
- Weak batteries.